

# SCIENCE

# And Technology Program



Theme Area: Water Resources

Program Area: Mid-Pacific Region

Project Number: WR00.20

Project Title: Distribution of Error in Estimate of San Luis Reservoir Storage

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**Abstract:** San Luis Reservoir is a pumped storage reservoir of over two million acre-feet located in the San Joaquin Valley of California. It is jointly operated by Reclamation and the California Department of Water Resources and is supplied through the Delta-Mendota Canal and the California Aqueduct. These water supplies are pumped from the delta of the Sacramento and San Joaquin Rivers at Reclamation's Tracy pumping plant and the States' Banks pumping plant. Twelve-month forecasts of San Luis' level are developed each month as part of a management plan used to manage water deliveries to state and federal contractors. The forecasted level is a function of initial storage, pumping from the delta, and water delivery pattern. This is an investigation of the error inherent in projecting this storage level.